

WEST

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L5: Entry 3 of 10

File: JPAB

Apr 4, 1997

PUB-NO: JP409093072A JP 9-93072
DOCUMENT-IDENTIFIER: JP 09093072 A
TITLE: SURFACE ACOUSTIC WAVE FILTER

PUBN-DATE: April 4, 1997

INVENTOR-INFORMATION:

NAME

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FUJITSU LTD

APPL-NO: JP07247639

APPL-DATE: September 26, 1995

INT-CL (IPC): H03 H 9/145; H03 H 3/10; H03 H 9/64

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a surface acoustic wave (SAW) filter with which frequency characteristics are improved and the rate of frequency shift change caused by dispersion in electrode finger width is reduced by forming the ratio of elec trode finger width at a specified level corresponding to the electrode finger pitch of comb-line electrode at a SAW resonator.

SOLUTION: This SAW filter is formed by stepwisely connecting plural SAW resonators to serial SF1 and SF2 and parallel PF1-PF3. The respective SAW resonators are formed on a piezoelectric substrate as electrode patterns so that the respective electrode fingers of a pair of comb-line electrodes can be alternately inserted. Then, the electrode fingers of comb-line electrodes are formed in a certain pattern so that width W corresponding to its pitch P can be the ratio of 60% at least. Thus, the difference between a resonance frequency and an anti-resonance frequency can be relatively reduced.

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WEST Search History

DATE: Thursday, February 20, 2003

Set Name Query
side by side

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result set

DB=JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

L5	L4 and (ladder or ((series or serial) and (shunt or parallel)))	10	L5
L4	(surface acoustic wave or surface wave or elastic wave or acoustic wave or saw) and (duty ratio or electrode duty or duty factor or metallization ratio or ((duty or ratio) near5 (electrode or finger)))	300	L4

DB=USPT; PLUR=YES; OP=ADJ

L3	l1 and ((series or serial) with (shunt or parallel))	75	L3
L2	l1 and ladder	47	L2
L1	surface acoustic wave and (duty ratio or electrode duty or duty factor or metallization ratio or ((duty or ratio) near5 (electrode or finger)))	250	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Sunday, August 25, 2002

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT; PLUR=YES; OP=ADJ

L3	surface acoustic wave and (duty ratio or electrode duty or duty factor or metallization ratio or ((duty or ratio) near5 (electrode or finger)))	231	L3
L2	surface acoustic wave and (duty ratio or electrode duty or duty factor or metallization ratio or ((duty or ratio) with (electrode or finger)))	294	L2
L1	surface acoustic wave and (duty ratio or electrode duty or duty factor or metallization ratio or duty or ratio)	2155	L1

END OF SEARCH HISTORY